



Figure S1. NR treatment preserves nuclei of the outer nuclear layer in the LIRD

mice. A week after toxic light exposure, mice were euthanized and ocular sections stained with hematoxylin and eosin (H&E). Representative H&E images of complete retina sections from each treatment group are shown. **Panel A:** Section from a PBS-treated mouse exposed to dim light shows unperturbed ONL across the span of the retina. **Panel B:** Section from a PBS-treated mouse with toxic light exposure shows extreme thinning in the central, superior (right side of section) ONL. **Panel C:** Section from a NR-treated mouse exposed to toxic light shows similar ONL thickness as that of control mouse.